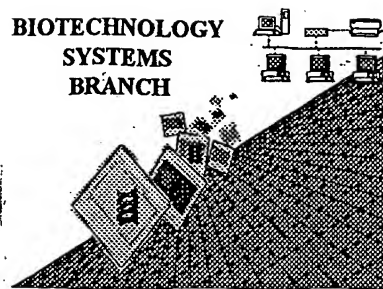


07/10/02 0280
04/20/0590
BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/016,157
Source: OPE
Date Processed by STIC: 1/3/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE: SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	SERIAL NUMBER: <u>10/06/159</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <u> </u> Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <u> </u> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <u> </u> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <u> </u> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <u> </u> Variable Length	Sequence(s) <u> </u> contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <u> </u> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <u> </u> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <u> </u> Skipped Sequences (OLD RULES)	Sequence(s) <u> </u> missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <u> </u> Skipped Sequences (NEW RULES)	Sequence(s) <u> </u> missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <u> </u> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <u> </u> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <u> </u> Use of <220>	Sequence(s) <u> </u> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <u> </u> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <u> </u> Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	

OIPE

RAW SEQUENCE LISTING

DATE: 01/03/2002

PATENT APPLICATION: US/10/016,157

TIME: 15:32:09

Input Set : A:\Dex-253.app

Output Set: N:\CRF3\01032002\J016157.raw

**Does Not Comply
Corrected Diskette Needed**

3 <110> APPLICANT: Sun, Yongming
 4 Recipon, Herve
 5 Ghosh, Malavika
 6 Liu, Chenghua
 8 <120> TITLE OF INVENTION: Compositions and Methods Relating to Colon Specific
 9 Genes and Proteins
 11 <130> FILE REFERENCE: DEX-0253
 13 <140> CURRENT APPLICATION NUMBER: US/10/016,157
 14 <141> CURRENT FILING DATE: 2001-10-31
 16 <150> PRIOR APPLICATION NUMBER: 60/244,717
 17 <151> PRIOR FILING DATE: 2000-10-31
 19 <160> NUMBER OF SEQ ID NOS: 250
 21 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

2946 <210> SEQ ID NO: 128
 2947 <211> LENGTH: 496
 2948 <212> TYPE: DNA
 2949 <213> ORGANISM: Homo sapiens
 2951 <400> SEQUENCE: 128
 2952 gcctccggtg gatggaatga agcaaggatg ggggctgcct gcagagctgt gtcactcaact 60
 E--> 2953 tgtattcagc ttctctgcct ctggctctct gtcttttacc nnnnnnnnnn nnnnnnnnnn 120
 E--> 2954 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 E--> 2955 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 E--> 2956 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
 E--> 2957 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 E--> 2958 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
 2959 ctaagaaaac aatgatcacc atacatgctc tgcttccaaa ctatactttt acatccaaag 480
 2960 taaccccaga ttcata 496

*see item 9
on Enol
Summary
Sheet*

FYI Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

VERIFICATION SUMMARY

DATE: 01/03/2002

PATENT APPLICATION: US/10/016,157

TIME: 15:32:11

Input Set : A:\Dex-253.app

Output Set: N:\CRF3\01032002\J016157.raw

L:13 M:270 C: Current Application Number differs, Replaced Application Number
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:73 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:457 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:715 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:1340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1379 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
L:1395 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61
L:1468 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:1559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:1560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:1561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:1718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71
L:1801 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74
L:1953 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1955 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1956 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1957 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84
L:2044 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87
L:2045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87
L:2046 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87
L:2072 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88
L:2150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91
L:2151 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91
L:2184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92
L:2202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
L:2203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
L:2204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
L:2205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/016,157

DATE: 01/03/2002

TIME: 15:32:11

Input Set : A:\Dex-253.app

Output Set: N:\CRF3\01032002\J016157.raw

L:2206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
L:2207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
L:2208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
L:2249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95
L:2953 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:128
M:340 Repeated in SeqNo=128
L:3578 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:152
L:3581 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:152
L:3703 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:158
L:3706 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:158
L:4825 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:215
L:4846 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:216
L:4926 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:220
L:5032 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:224
L:5370 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:241
L:5373 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:241
L:5376 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:241
L:5402 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:242
L:5489 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:247
L:5538 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:250